Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/27/2018 11:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/26/2018 11:27 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 62096, Expiration Date: 07/31/2018
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124840	-1	1.39	124630	1.33
Blue	F	SSC	125000	122866	-2	3.12	123309	2.80
Blue	E	FITC	23158	22367	-4	2.63	1033	11.20
Blue	D	PE	31171	30468	-3	2.20	1154	10.39
Blue	B	PerCP-Cy5-5	59762	57974	-3	4.08	1465	18.53
Blue	A	PE-Cy7	57533	56537	-2	6.47	738	39.92
Red	C	APC	69353	68144	-2	2.55	3472	9.49
Red	A	APC-Cy7	66644	65678	-2	3.56	1164	11.53
Violet	B	V450	16327	15648	-5	3.06	845	8.95
Violet	A	V500	62036	60607	-3	2.69	2842	6.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22563	2.57	612	-4	N/A	N/A	Pass
Blue	F	SSC	56494	1.12	560	2	N/A	N/A	Pass
Blue	E	FITC	116	43.39	554	-1	0.0188	239	Pass
Blue	D	PE	196	38.68	557	0	0.1417	248	Pass
Blue	B	PerCP-Cy5-5	237	48.83	649	0	0.0081	75	Pass
Blue	A	PE-Cy7	130	99.91	710	1	0.0096	13	Pass
Red	C	APC	497	25.19	607	-3	0.0175	0	Pass
Red	A	APC-Cy7	251	27.09	583	-4	0.0040	640	Pass
Violet	B	V450	105	45.73	483	-9	0.0458	2767	Pass
Violet	A	V500	254	22.32	503	-8	0.0134	1038	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/27/2018 11:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/26/2018 11:27 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.26	-30.85	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	16.46	13.60 - 20.40	N/A	N/A	30.74	31.21	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9928

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments